

Appendix
Reducing Preventable Hospitalization and Disparity: Association With Local
Health Department Mental Health Promotion Activities
Chen et al.

Appendix Table 1. Prevention Quality Indicators (PQI) Using AHRQ Definition (Discharges, for Patients Aged ≥ 18 Years, With a Principal ICD-9-CM Diagnosis)

PQIs	Inclusions	Exclusions ^a
PQ#1: Diabetes short-term complications diagnosis codes	25010, 25011, 25012, 25013, 25020, 25021, 25022, 25023, 25030, 25031, 25032, 25033	
PQ#3: Diabetes with long-term complications diagnosis codes	25040, 25041, 25042, 25043, 25050, 25051, 25052, 25053, 25060, 25061, 25062, 25063, 25070, 25071, 25072, 25073, 25080, 25081, 25082, 25083, 25090, 25091, 25092, 25093	
PQ#5: COPD or asthma in older adults	4910, 4911, 49120, 49121, 4918, 4919, 4920, 4928, 484, 4940, 4941, 496 49300, 49301, 49302, 49310, 49311, 49312, 49320, 49321, 49322, 49381, 49382, 49390, 49391, 49392 4660, 490	Cases with any-listed ICD-9-CM diagnosis codes for cystic fibrosis and anomalies of the respiratory system and obstetric admissions and transfers from other institutions
PQ #7: Hypertension diagnosis codes	4010, 4019, 40200, 40210, 40290, 40300, 40310, 40390, 40400, 40410, 40490	Cases with any-listed ICD-9-CM procedure codes for cardiac procedure, with any listed ICD-9-CM diagnosis codes of Stage I-IV kidney disease, only if accompanied by any-listed ICD-9-CM procedure codes for dialysis access
PQ #8: Heart failure diagnosis codes on or after 10/01/2002	39891, 4280, 4281, 42820, 42821, 42822, 42823, 42830, 42831, 42832, 42833, 42840, 42841, 42842, 42843, 4289	Excludes cardiac procedure admissions, obstetric admissions, and transfers from other institutions
PQ #13: Angina diagnosis codes	4111, 41181, 41189, 4130, 4131, 4139	Cases with any-listed ICD-9-CM diagnosis codes for cardiac procedure
PQ #14: Uncontrolled diabetes without mention of a short-term or long-term	25002, 25003	

Appendix
Reducing Preventable Hospitalization and Disparity: Association With Local
Health Department Mental Health Promotion Activities
Chen et al.

complication diagnosis codes	
PQ #15: Asthma	49300, 49301, 49302, 49310,
diagnosis codes in	49311, 49312, 49320, 49321,
younger adults	49322, 49381, 49390, 49391,
	49392

^aExclude cases: • transfer from a hospital (different facility) • transfer from a Skilled Nursing Facility (SNF) or Intermediate Care Facility (ICF) • transfer from another healthcare facility.
Source: Agency for Healthcare Research and Quality: Prevention Quality Indicators Technical Specifications.

https://www.qualityindicators.ahrq.gov/Modules/PQI_TechSpec_ICD10_v70.aspx.

AHRQ, the Agency for Healthcare Research and Quality; COPD, chronic obstructive pulmonary disease.

Appendix
Reducing Preventable Hospitalization and Disparity: Association With Local
Health Department Mental Health Promotion Activities
Chen et al.

Appendix Table 2. ICD-9-CM Diagnosis Codes Used in Defining Study Conditions

Description	ICD-9-CM codes
Mental and substance use disorders	
Adjustment disorders	3090–3099
Anxiety disorders	30000–31383
Attention-deficit, conduct, and disruptive behavior disorders	31200–3149
Elimination disorders	3076–3077
Other disorders usually diagnosed in infancy, childhood, or adolescence	3073, 30921, 31323, 31389, 3139, 29900, 29901, 29910–29991, 30720–30723
Eating disorders	3071, 30750–30759
Impulse control disorders, not elsewhere classified	31230–31239
Miscellaneous mental conditions	30012–30019
Psychogenic disorders	3060–3069
Sexual and gender identity disorders	3020–3029, 30651
Sleep disorders	30740–30749
Somatoform disorders	30011, 3007, 30081, 30082, 30780–30789
Bipolar disorders	29600–29699
Depressive disorders	29620–29636, 3004, 311
Personality disorders	3010–3019
Schizophrenia and other psychotic disorders	29500–2989, 33392
Alcohol-related disorders	2910–2919, 30300–30393, 30500–30503, 3575, 4255, 5353, 5710–5713, 7903
Drug abuse disorders	2920–2929, 30400–30493, 30520–30593
Drug dependence in pregnancy	6483–64834, 6555–65553, 7795, 76072, 76073, 76075, 76071
Mental disorders in pregnancy	6484–64844
Poisoning by opiates and related narcotics	965000–96509
Miscellaneous history codes related to substance abuse	V6542
Miscellaneous history or injury codes related to mental illness	E95n.n, V110–V113, V118, V119, V154–V1549, V402, V403, V409, V663, V673, V7101, V7102, V7109, V790, V798, V799

Source: Coffey RM, Houchens R, Chu BC, Barrett M, Owens P, Stocks C, Vandivort-Warren R, Buck J, Emergency Department Use for Mental and Substance Use Disorders. Online August 23, 2010, U.S. Agency for Healthcare Research and Quality (AHRQ).